NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33591.1.1	**ID.** B-4248	**COUNTY** ROBESON	**GEOLOGIST** S. P. BROWN
SITE DESCRIPTION BRIDGE NO. 170 ON -L- (SR 1101) OVER SHOE HEEL CREEK			**GROUND WATER**
BORING NO. B2-A	**BORING LOCATION** 16+89	**OFFSET** 15' LT	**ALIGNMENT** -L-	**0 HR.** N/A
COLLAR ELEVATION 113.1'	**NORTHING** 304724	**EASTING** 1888086		**24 HR.** N/A
TOTAL DEPTH 69.1'	**DRILL MACHINE** CME-550	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 3/3/04	**COMPLETION DATE** 3/3/04	**SURFACE WATER DEPTH** 6.8'	**DEPTH TO ROCK** N/A

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
113.1	0.0	2	2	2	1.0	X 4	SS-12	W		ALLUVIAL, LIGHT BROWN SAND
110.0	4.7	2	2	5	1.0	X 7		W		COASTAL PLAIN, GRAY, MODERATELY PLASTIC, SANDY CLAY
105.0	9.7	7	7	8	1.0	X 15		W		GRAY AND BROWN, HIGHLY PLASTIC, SILTY CLAY
100.0	12.6	2	4	6	1.0	X 10		W		
95.0	17.6	4	5	8	1.0	X 13		W		GRAY, MODERATELY PLASTIC, SANDY CLAY
90.0	22.6	5	6	6	1.0	X 12	SS-13	W		GRAY, MODERATELY TO HIGHLY PLASTIC, CLAYEY SAND
85.0	27.6	5	10	10	1.0	X 20		W		
80.0	32.6	7	13	17	1.0	X 30		W		GRAY AND PURPLE, HIGHLY PLASTIC, SILTY CLAY
75.0	37.6	5	9	12	1.0	X 21		W		
70.0	42.6	5	9	12	1.0	X 21		W		GRAY, MODERATELY PLASTIC, SANDY CLAY
65.0	47.6	5	11	15	1.0	X 26		W		
60.0	52.6	7	11	14	1.0	X 25	SS-14	W		GRAY, HIGHLY PLASTIC, SILTY CLAY
55.0	57.6	6	5	10	1.0	X 15		W		GRAY, MODERATELY TO HIGHLY PLASTIC, CLAYEY SAND
50.0	62.6	1	8	16	1.0	X 24		W		
45.0	67.6	14	18	25	1.0	X 43		W		
40.0						BORING TERMINATED AT ELEVATION 44.0 FEET IN CLAYEY SAND				
35.0										

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GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33591.1.1	**ID.** B-4248	**COUNTY** ROBESON	**GEOLOGIST** S. P. BROWN
SITE DESCRIPTION BRIDGE NO. 170 ON -L- (SR 1101) OVER SHOE HEEL CREEK			**GROUND WATER**
BORING NO. EB2-A	**BORING LOCATION** 17+30	**OFFSET** 9' LT	**ALIGNMENT** -L-	**0 HR.** N/A
COLLAR ELEVATION 126.8'	**NORTHING** 304706	**EASTING** 1888124		**24 HR.** 5.9'
TOTAL DEPTH 68.7'	**DRILL MACHINE** CME-550	**DRILL METHOD** ROTARY W/MUD	**HAMMER TYPE** AUTOMATIC
START DATE 3/2/04	**COMPLETION DATE** 3/2/04	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** N/A

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
126.8										
125.0	2.2	1	2	2	1.0	X 4		M		ROADWAY EMBANKMENT, BROWN, SILTY SAND
120.0	7.2	6	3	1	1.0	X 4		W		
115.0	12.2	WOH	2	3	1.0	X 5		W		ALLUVIAL, LIGHT GRAY SAND
110.0	17.2	4	4	7	1.0	X 11	SS-7	W		COASTAL PLAIN, GRAY, MODERATELY TO HIGHLY PLASTIC, SILTY CLAY
105.0	22.2	2	6	12	1.0	X 18	SS-8	W		GRAY, SLIGHTLY PLASTIC, SANDY CLAY
100.0	27.2	2	3	6	1.0	X 9		W		GRAY AND PURPLE, HIGHLY PLASTIC, SILTY CLAY
95.0	32.2	5	5	7	1.0	X 12	SS-9	W		GRAY, SLIGHTLY PLASTIC, SANDY CLAY
90.0	37.2	3	7	6	1.0	X 13	SS-10	W		GRAY, MODERATELY TO HIGHLY PLASTIC, CLAYEY SAND
85.0	42.2	4	8	9	1.0	X 17	SS-11	W		
80.0	47.2	6	12	20	1.0	X 32		W		GRAY, SLIGHTLY PLASTIC, SANDY CLAY
75.0	52.2	5	10	13	1.0	X 23		W		GRAY AND PURPLE, HIGHLY PLASTIC, SILTY CLAY
70.0	57.2	6	12	16	1.0	X 28		W		GRAY, SLIGHTLY PLASTIC, SANDY CLAY
65.0	62.2	5	8	13	1.0	X 21		W		GRAY AND BROWN, HIGHLY PLASTIC, SILTY CLAY
60.0	67.2	8	16	22	1.0	X 38		W		GRAY, MODERATELY PLASTIC, CLAYEY SAND
55.0						BORING TERMINATED AT ELEVATION 58.1 FEET IN CLAYEY SAND				
50.0										